



#6

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/024,648

DATE: 05/28/2002

TIME: 09:11:54

Input Set : A:\49671758.app

Output Set: N:\CRF3\05282002\J024648.raw

ENTERED

3 <110> APPLICANT: BELMONT, HEATHER J.  
4 WONG, HING C.  
5 WITTMAN, VAUGHAN P.  
6 WEIDANZ, JON A.  
8 <120> TITLE OF INVENTION: TRANSGENIC ANIMALS COMPRISING A HUMANIZED IMMUNE SYSTEM  
10 <130> FILE REFERENCE: 49663 (71758)  
12 <140> CURRENT APPLICATION NUMBER: 10/024,648  
13 <141> CURRENT FILING DATE: 2001-12-18  
15 <150> PRIOR APPLICATION NUMBER: 60/256,591  
16 <151> PRIOR FILING DATE: 2000-12-19  
18 <160> NUMBER OF SEQ ID NOS: 23  
20 <170> SOFTWARE: PatentIn Ver. 2.1  
22 <210> SEQ ID NO: 1  
23 <211> LENGTH: 12  
24 <212> TYPE: DNA  
25 <213> ORGANISM: Artificial Sequence  
27 <220> FEATURE:  
28 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
29 oligonucleotide  
31 <400> SEQUENCE: 1  
32 aattgcggcc gc 12  
35 <210> SEQ ID NO: 2  
36 <211> LENGTH: 24  
37 <212> TYPE: DNA  
38 <213> ORGANISM: Artificial Sequence  
40 <220> FEATURE:  
41 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
42 oligonucleotide  
44 <400> SEQUENCE: 2  
45 actgggatcc aaatgagtct tcgg 24  
48 <210> SEQ ID NO: 3  
49 <211> LENGTH: 32  
50 <212> TYPE: DNA  
51 <213> ORGANISM: Artificial Sequence  
53 <220> FEATURE:  
54 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
55 oligonucleotide  
57 <400> SEQUENCE: 3  
58 actggcggcc gccaaacgac ccaacacccg tg 32  
61 <210> SEQ ID NO: 4  
62 <211> LENGTH: 44  
63 <212> TYPE: DNA  
64 <213> ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

DATE: 05/28/2002

PATENT APPLICATION: US/10/024,648

TIME: 09:11:54

Input Set : A:\49671758.app

Output Set: N:\CRF3\05282002\J024648.raw

66 <220> FEATURE:  
67 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe  
69 <400> SEQUENCE: 4  
70 cccacctgga tctccagat ttgtgaggaa gggtgctgga gagg 44  
73 <210> SEQ ID NO: 5  
74 <211> LENGTH: 45  
75 <212> TYPE: DNA  
76 <213> ORGANISM: Artificial Sequence  
78 <220> FEATURE:  
79 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe  
81 <400> SEQUENCE: 5  
82 ggaaagccct gctggctcca agatggctga gggaaaggtc tacgg 45  
85 <210> SEQ ID NO: 6  
86 <211> LENGTH: 36  
87 <212> TYPE: DNA  
88 <213> ORGANISM: Artificial Sequence  
90 <220> FEATURE:  
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
93 <400> SEQUENCE: 6  
94 tagtggatcc catgcagaga gaaaccgaag tacgtg 36  
97 <210> SEQ ID NO: 7  
98 <211> LENGTH: 26  
99 <212> TYPE: DNA  
100 <213> ORGANISM: Artificial Sequence  
102 <220> FEATURE:  
103 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
105 <400> SEQUENCE: 7  
106 gctacagagt gaagtcattg atcctg 26  
109 <210> SEQ ID NO: 8  
110 <211> LENGTH: 28  
111 <212> TYPE: DNA  
112 <213> ORGANISM: Artificial Sequence  
114 <220> FEATURE:  
115 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
117 <400> SEQUENCE: 8  
118 ggtctgtgtt ccatatgacg tcagtacg 28  
121 <210> SEQ ID NO: 9  
122 <211> LENGTH: 39  
123 <212> TYPE: DNA  
124 <213> ORGANISM: Artificial Sequence  
126 <220> FEATURE:  
127 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
129 <400> SEQUENCE: 9  
130 attacatatg ggtcctaact taggtcagaa ctcatatgc 39  
133 <210> SEQ ID NO: 10  
134 <211> LENGTH: 38  
135 <212> TYPE: DNA  
136 <213> ORGANISM: Artificial Sequence  
138 <220> FEATURE:

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/024,648

DATE: 05/28/2002

TIME: 09:11:54

Input Set : A:\49671758.app

Output Set: N:\CRF3\05282002\J024648.raw

139 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe  
141 <400> SEQUENCE: 10  
142 cgttccctgt gatgccacgt tgactgagaa aagctttg 38  
145 <210> SEQ ID NO: 11  
146 <211> LENGTH: 40  
147 <212> TYPE: DNA  
148 <213> ORGANISM: Artificial Sequence  
150 <220> FEATURE:  
151 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe  
153 <400> SEQUENCE: 11  
154 tgagaaagtc caaaaactcg ggtaccatt ccaccataga 40  
157 <210> SEQ ID NO: 12  
158 <211> LENGTH: 45  
159 <212> TYPE: DNA  
160 <213> ORGANISM: Artificial Sequence  
162 <220> FEATURE:  
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe  
165 <400> SEQUENCE: 12  
166 ggagttaacc tgggtgtgtc tcagcagttt ctttgactc ctgtg 45  
169 <210> SEQ ID NO: 13  
170 <211> LENGTH: 13  
171 <212> TYPE: DNA  
172 <213> ORGANISM: Artificial Sequence  
174 <220> FEATURE:  
175 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker  
177 <400> SEQUENCE: 13  
178 gatccgttaa cgc 13  
181 <210> SEQ ID NO: 14  
182 <211> LENGTH: 13  
183 <212> TYPE: DNA  
184 <213> ORGANISM: Artificial Sequence  
186 <220> FEATURE:  
187 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker  
189 <400> SEQUENCE: 14  
190 ggccgcgtta acg 13  
193 <210> SEQ ID NO: 15  
194 <211> LENGTH: 28  
195 <212> TYPE: DNA  
196 <213> ORGANISM: Artificial Sequence  
198 <220> FEATURE:  
199 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
201 <400> SEQUENCE: 15  
202 ggattcaaag gttacattat gtggccac 28  
205 <210> SEQ ID NO: 16  
206 <211> LENGTH: 23  
207 <212> TYPE: DNA  
208 <213> ORGANISM: Artificial Sequence  
210 <220> FEATURE:  
211 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

## RAW SEQUENCE LISTING

DATE: 05/28/2002

PATENT APPLICATION: US/10/024,648

TIME: 09:11:54

Input Set : A:\49671758.app

Output Set: N:\CRF3\05282002\J024648.raw

213 <400> SEQUENCE: 16  
214 gccccaaagg cctaccgct tcc 23  
217 <210> SEQ ID NO: 17  
218 <211> LENGTH: 28  
219 <212> TYPE: DNA  
220 <213> ORGANISM: Artificial Sequence  
222 <220> FEATURE:  
223 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
224 oligonucleotide  
226 <400> SEQUENCE: 17  
227 aattcggccg gccccgcggg gcgcgccg 28  
230 <210> SEQ ID NO: 18  
231 <211> LENGTH: 28  
232 <212> TYPE: DNA  
233 <213> ORGANISM: Artificial Sequence  
235 <220> FEATURE:  
236 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
237 oligonucleotide  
239 <400> SEQUENCE: 18  
240 aattcggcgc gccccgcggg gccggccg 28  
243 <210> SEQ ID NO: 19  
244 <211> LENGTH: 46  
245 <212> TYPE: DNA  
246 <213> ORGANISM: Artificial Sequence  
248 <220> FEATURE:  
249 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
250 oligonucleotide  
252 <400> SEQUENCE: 19  
253 gtctctactt tactaaaaat acaaaaatta gccaggtgtg gtggtg 46  
256 <210> SEQ ID NO: 20  
257 <211> LENGTH: 40  
258 <212> TYPE: DNA  
259 <213> ORGANISM: Artificial Sequence  
261 <220> FEATURE:  
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
263 oligonucleotide  
265 <400> SEQUENCE: 20  
266 gtcacagggc tgagggaagg agacaagagc ctggacagca 40  
269 <210> SEQ ID NO: 21  
270 <211> LENGTH: 25  
271 <212> TYPE: DNA  
272 <213> ORGANISM: Artificial Sequence  
274 <220> FEATURE:  
275 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
277 <400> SEQUENCE: 21  
278 atcctttctc ttgaccatgg ccatc 25  
281 <210> SEQ ID NO: 22  
282 <211> LENGTH: 25  
283 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/024,648

DATE: 05/28/2002

TIME: 09:11:54

Input Set : A:\49671758.app

Output Set: N:\CRF3\05282002\J024648.raw

284 <213> ORGANISM: Artificial Sequence  
286 <220> FEATURE:  
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
289 <400> SEQUENCE: 22  
290 gctggaccac agccgcagcg tcatg 25  
293 <210> SEQ ID NO: 23  
294 <211> LENGTH: 17  
295 <212> TYPE: DNA  
296 <213> ORGANISM: Artificial Sequence  
298 <220> FEATURE:  
299 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
300 oligonucleotide  
302 <400> SEQUENCE: 23  
303 tgtctccccg tccaat 17

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/024,648

DATE: 05/28/2002

TIME: 09:11:55

Input Set : A:\49671758.app

Output Set: N:\CRF3\05282002\J024648.raw